



Recombinant Canine IL-6 Protein [His] (DAGC264)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Ala18 - Met207 with N-terminal His Tag
Species	Canine
Conjugate	His
Applications	Positive Control, Immunogen, SDS-PAGE, WB
Molecular Weight	25kDa
Reconstitution	Reconstitute in PBS or others.
Endotoxin	<1.0EU per 1µg (determined by the LAL method)
Format	Lyophilized
Size	10 µg, 50 µg, 200 µg, 1 mg, 5 mg
Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Preservative	Proclin 300
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

BACKGROUND

Introduction	Interleukin-6 (IL-6) is a multifunctional α -helical cytokine that regulates cell growth and differentiation of various tissues, which is known particularly for its role in the immune response and acute phase reactions. IL-6 protein is secreted by a variety of cell types including T cells
---------------------	--

and macrophages as phosphorylated and variably glycosylated molecule. It exerts actions through the its heterodimeric receptor composed of IL-6R that lacks the tyrosine/kinase domain and binds IL-6 with low affinity, and ubiquitously expressed glycoprotein 13 (gp13) that binds the IL-6. IL-6R complex with high affinity and thus transduces signals. IL-6 is also involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined an essential role in directing transition from innate to acquired immunity.

Keywords

IL6; interleukin 6; IL-6; Canine IL6; Canine IL-6; Canien interleukin 6
